#### INITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Shinya Adachi et al.

RECEIVED

Serial No.:

10/075,164

JAN 2 7 2003

Art Unit: 2112

**Technology Center 2100** 

Filed:

February 14, 2002

Title:

METHOD FOR TRANSMITTING LOCATION INFORMATION

ON A DIGITAL MAP

Docket:

34408

#### **INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. 1.97 and 1.98, Applicant is submitting herewith Form PTO-1449 listing references for consideration by the Examiner. Also submitted herewith is a legible copy of each reference.

If any further fees are required by this communication, please charge such fees to our Deposit Account No. 16-0820, Order No. 34408.

Respectfully submitted,

PEARNE & GORDON LLP

ron A. Fishman, Reg. No. 44682

526 Superior Avenue East **Suite 1200** Cleveland, Ohio 44114-1484 (216) 579-1700

Date: January 21, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington D.C. 20231 on the date indicated below.

Aaron A. Fishman

Name of Attorney for Applicant(s)

January 21, 2003

Date

Signature of Attorney

Examiner:

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 34408

SERIAL NO. 10/075,164

INFORMATION DISCLOSURE CITATION
BY APPLICANT
(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT: Shinya Adachi et al.

FILING DATE:

February 14, 2002

GROUP ART UNIT: 2112

Page 1 of 8

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	Α	4,807,127	02/1989	Tehmoku et al.			
	В	4,819,175	04/1989	Wuttke			
	С	4,893,246	01/1990	Iihoshi et al.			
	D	4,924,699	05/1990	Kuroda et al.			
	Е	4,930,888	06/1990	Freisleben et al.			
	F	4,963,864	10/1990	Iihoshi et al.			=
	G	4,963,865	10/1990	Ichikawa et al.			Technology Center 2100
	Н	4,984,168	01/1991	Neukrichner et al.			plogy
	I	5,040,122	08/1991	Neukirchner et al.			Cent
	J	5,046,011	09/1991	Kakihara et al.			er 21
	K	5,067,082	11/1991	Nimura et al.			8
	L	5,214,757	05/1993	Mauney et al.			
	М	5,307,278	04/1994	Hermans et al.			
	N	5,311,195	05/1994	Mathis et al.		,	
	0	5,442,559	08/1995	Kuwahara et al.		·	
	Р	5,488,559	01/1996	Seymour			
	Q	5,742,923	04/1998	Odagawa			
	R	5,839,087	11/1998	Sato			
	s	5,862,511	01/1999	Croyle et al.			
	Т	5,899,954	05/1999	Sato			
	U	5,908,466	06/1999	Veugen et al.			
	v	5,948,043	09/1999	Mathis			

\*Examiner: Initial if reference considered, regardless of whether citation is in conformance with MPEP 609; Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to applicant.

Date Considered

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 34408

SERIAL NO. 10/075,164

INFORMATION DISCLOSURE CITATION
BY APPLICANT
(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT: Shinya Adachi et al.

Page 2 of 8

FILING DATE: February 14, 2002

GROUP ART UNIT: 2112

			WS.PA	HAVIT DOCUMENTS			
Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	Α	5,995,023	11/1999	Kreft			
	В	6,002,981	12/1999	Kreft		i	
	С	6,035,253	03/2000	Hayashi et al.			Technology Center 2100
	D	6,038,559	03/2000	Ashby et al.			ndlogy
	Е	6,061,627	05/2000	Sato			Center 21
	F	6,108,603	08/2000	Karunanidhi			003 <b>9r 21</b>
	G	6,115,668	09/2000	Kaneko et al.			00
	Н	6,188,959 B1	02/2001	Schupfner			
	I	6,230,100 B1	05/2001	Geier		:	
	J	6,240,368 B1	05/2001	Kreft			
	K	US2001/0001847A1	05/2001	Hessing			
	L	US2001/0007088A1	07/2001	Winter et al.			
	M	US2001/0012981A1	08/2001	Yamashita et al.			_
	N	US2001/0016796A1	08/2001	Ata et al.			
	0	US2001/0037177A1	11/2001	Nishida et al.			
	P	6,334,089 B2	12/2001	Hessing			
	Q	6,345,229 B1	02/2002	Honkomp et al.			
	R						
	S						
	T						
	U						
	V						

Examiner:

Date Considered

<sup>\*</sup>Examiner: Initial if reference considered, regardless of whether citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 34408

SERIAL NO. 10/075,164

INFORMATION DISCLOSURE CITATION
BY APPLICANT
(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT: Shinya Adachi et al.

FILING DATE: February 14, 2002

GROUP ART UNIT: 2112

Page 3 of 8

		*/41 7 7 7 7	FOREIGN	PATENT DOCUMI	ENTS	機能能	ing the second
		Document No.	Date	Country	Class	Subclass	Translation
	Α	EP 0 478 438 B1	12/1995	EPO			No
	В	EP 0 875 877 A2	11/1998	EPO	Tech		Eng. Text
	С	EP 1 022 578 A2	7/2000	EPO	nolog	JAN	Eng. Text
	D	EP 1 098 168 A2	05/2001	EPO	Technology Center 2100	CEI 127	Eng. Text
	Е	EP 1 102 036 A1	5/2001	EPO	nter :	<b>VE</b>	Eng. Text
:	F	EP 1 122 517 A2	8/2001	EPO	2100	ω <b>σ</b>	No
	G	EP 1 167 923 A2	1/2002	EPO			No
	Н	WO 98/27530	06/1998	PCT			Eng. Abstract
	I	WO 98/45724	10/1998	PCT			Eng. Abstract
	J	WO 99/24787	5/1999	PCT			Eng. Abstract
	K	WO 99/56081	11/1999	PCT			Eng. Abstract
	L	WO 99/56264	11/1999	PCT			Eng. Text
	M	WO 00/08616	02/2000	PCT			Eng. Abstract
	N	WO 00/49530	08/2000	PCT			Eng. Text
	0	WO 00/50845	08/2000	PCT			Eng. Abstract
	P	WO 01/18768 A1	03/2001	PCT			Eng. Abstract
	Q	WO 01/18769 A1	03/2001	PCT			Eng. Abstract
	R	WO 01/50089 A1	07/2001	PCT			Eng. Abstract
	S	WO 01/50437 A1	07/2001	PCT			Eng. Abstract
	Т	WO 01/75838 A1	10/2001	PCT			Eng. Abstract
	U	WO 01/84081 A1	11/2001	PCT			Eng. Abstract
	V	WO 02/04894 A1	01/2002	PCT			Eng. Abstract
Examiner:				Date	Considered		. "

\*Examiner: Initial if reference considered, regardless of whether citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

. ( \_\_\_

Form PTO-1449 U.S. DEPART

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 34408

SERIAL NO. 10/075,164

INFORMATION DISCLOSURE CITATION
BY APPLICANT
(USE SEVERAL SHEETS IF NECESSARY)

Page 4 of 8

APPLICANT:

Shinya Adachi et al.

FILING DATE:

GROUP ART UNIT:

February 14, 2002 2112

	) Nessa		FOREIGN	DATENT DOCUME	NIIS		2 44 2
		Document No.	Date	Country	Class	Subclass	Translation
	Α	WO 02/14788 A1	02/2002	PCT			Eng. Abstract
	В	WO 02/16874 A1	02/2002	PCT			Eng. Abstract
	С		<del></del>	·			
	D						
	Е						
Mar Vi	in C	THER REFERENC	CES (Includ	ding Author, Title, Da	te, Pertinen	t Pages, Etc	净 泰 强
	F	Abstract of U.S. F	atent No. 4	,040,740: Date issued	1: 08/1977		
	G	Abstract of U.S. F	atent No. 4	,063,237: Date issued	d: 12/1977		Tec
	Н	Abstract of U.S. F	atent No. 4	,151,656: Date issued	1: 05/1979		hnole
	I	Abstract of U.S. F	atent No. 4	,196,474: Date issued	1: 04/1980		уу С
	J	Abstract of U.S. F	atent No. 4	,251,797: Date issued	i: 02/1981		enter
	K	Abstract of U.S. F	Patent No. 4	,304,487: Date issued	d: 12/1981		Technology Center 2100
	L	Abstract of U.S. F	atent No. 4	,725,957: Date issued	1: 02/1988		
	M	Abstract of U.S. I	atent No. 4	,728,888: Date issued	1: 03/1988		
	N	Abstract of U.S. I	Patent No. 4	,729,172: Date issued	1: 03/1988		
	0	Abstract of U.S. I	Patent No. 4	,731,727: Date issued	1: 03/1988		
	P	Abstract of U.S. I	atent No. 4	,733,179: Date issued	1: 03/1988		
	Q	Abstract of U.S. F	Patent No. 4	,782,453: Date issued	1: 11/1988		
	R	Abstract of U.S. I	atent No. 4	,784,237: Date issued	1: 11/1988		
	Т	Abstract of U.S. I	atent No. 4	,807,264: Date issued	1: 02/1989		

Examiner:

U

V

Date Considered

\*Examiner: Initial if reference considered, regardless of whether citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Abstract of U.S. Patent No. 4,835,870: Date issued: 06/1989

Abstract of U.S. Patent No. 4,989,333: Date issued: 02/1991

### U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 34408

SERIAL NO. 10/075,164

INFORMATION DISCLOSURE CITATION
BY APPLICANT
(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT: Shinya Adachi et al.

Page 5 of 8

FILING DATE: February 14, 2002

GROUP ART UNIT: 2112

	0	THEOR REPORTED (Including Anthor Title, Date, Pertinant Pages, Ste.)
	Α	Abstract of U.S. Patent No. 5,020,143: Date issued: 05/1991
	В	Abstract of U.S. Patent No. 5,021,962: Date issued: 06/1991
	С	Abstract of U.S. Patent No. 5,059,965: Date issued: 10/1991
	D	Abstract of U.S. Patent No. 5,095,532: Date issued: 03/1992
	Е	Abstract of U.S. Patent No. 5,146,219: Date issued: 09/1992
	F	Abstract of U.S. Patent No. 5,021,962: Date issued: 06/1991  Abstract of U.S. Patent No. 5,059,965: Date issued: 10/1991  Abstract of U.S. Patent No. 5,095,532: Date issued: 03/1992  Abstract of U.S. Patent No. 5,146,219: Date issued: 09/1992  Abstract of U.S. Patent No. 5,148,604: Date issued: 09/1992
	G	Abstract of U.S. Patent No. 5,173,691: Date issued: 12/1992
	Н	Abstract of U.S. Patent No. 5,177,685: Date issued: 01/1993
	I	Abstract of U.S. Patent No. 5,182,555: Date issued: 01/1993
	J	Abstract of U.S. Patent No. 5,184,123: Date issued: 02/1993
	K	Abstract of U.S. Patent No. 5,193,214: Date issued: 03/1993
	L	Abstract of U.S. Patent No. 5,247,252: Date issued: 09/1993
	М	Abstract of U.S. Patent No. 5,261,279: Date issued: 11/1993
	N	Abstract of U.S. Patent No. 5,279,040: Date issued: 01/1994
	0	Abstract of U.S. Patent No. 5,283,575: Date issued: 02/1994
	Р	Abstract of U.S. Patent No. 5,332,180: Date issued: 07/1994
	Q	Abstract of U.S. Patent No. 5,351,539: Date issued: 10/1994
	R	Abstract of U.S. Patent No. 5,396,429: Date issued: 03/1995
	s	Abstract of U.S. Patent No. 5,406,490: Date issued: 04/1995
	Т	Abstract of U.S. Patent No. 5,416,711: Date issued: 05/1995
	U	Abstract of U.S. Patent No. 5,438,687: Date issued: 08/1995
	v	Abstract of U.S. Patent No. 5,440,389: Date issued: 08/1995
	w	Abstract of U.S. Patent No. 5,465,088: Date issued: 11/1995
	х	Abstract of U.S. Patent No. 5,473,930: Date issued: 12/1995
Examiner:	•	Date Considered

\*Examiner: Initial if reference considered, regardless of whether citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

#### U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

# ATTY. DOCKET NO. 34408

SERIAL NO. 10/075,164

INFORMATION DISCLOSURE CITATION
BY APPLICANT

APPLICANT:

BY APPLICANT
(USE SEVERAL SHEETS IF NECESSARY)

Shinya Adachi et al.

FILING DATE:

February 14, 2002

GROUP ART UNIT: 2112

Page 6 of 8

THE STREET	<b>©</b>	OTHER REFERENCES (Including Anthor Title, Date, Perinant Pages, Me.)	17 (5 ) (5 ) 2 (8 )
	Α	Abstract of U.S. Patent No. 5,487,009: Date issued: 01/1996	
	В	Abstract of U.S. Patent No. 5,504,482: Date issued: 04/1996	Te
	С	Abstract of U.S. Patent No. 5,508,917: Date issued: 04/1996	chno
	D	Abstract of U.S. Patent No. 5,515,042: Date issued: 05/1996	logy (
	Е	Abstract of U.S. Patent No. 5,523,765: Date issued: 06/1996	Technology Center 2100
	F	Abstract of U.S. Patent No. 5,602,542: Date issued: 02/1997	r 21(
	G	Abstract of U.S. Patent No. 5,629,690: Date issued: 05/1997	8
	Н	Abstract of U.S. Patent No. 5,659,476: Date issued: 08/1997	
	I	Abstract of U.S. Patent No. 5,703,293: Date issued: 12/1997	
	J	Abstract of U.S. Patent No. 5,710,566: Date issued: 01/1998	
	K	Abstract of U.S. Patent No. 5,736,941: Date issued: 04/1998	
	L	Abstract of U.S. Patent No. 5,745,865: Date issued: 04/1998	
	M	Abstract of U.S. Patent No. 5,748,107: Date issued: 05/1998	
	N	Abstract of U.S. Patent No. 5,757,285: Date issued: 05/1998	
	0	Abstract of U.S. Patent No. 5,797,112: Date issued: 08/1998	
	P	Abstract of U.S. Patent No. 5,812,069: Date issued: 09/1998	
	Q	Abstract of U.S. Patent No. 5,826,212: Date issued: 10/1998	
-	R	Abstract of U.S. Patent No. 5,828,322: Date issued: 10/1998	
	S	Abstract of U.S. Patent No. 5,842,146: Date issued: 11/1998	
	Т	Abstract of U.S. Patent No. 5,850,190: Date issued: 12/1998	
	U	Abstract of U.S. Patent No. 5,905,451: Date issued: 05/1999	
	V	Abstract of U.S. Patent No. 5,926,118: Date issued: 07/1999	
	w	Abstract of U.S. Patent No. 5,933,094: Date issued: 08/1999	
	х	Abstract of U.S. Patent No. 5,933,100: Date issued: 08/1999	
Examiner:		Date Considered	

\*Examiner: Initial if reference considered, regardless of whether citation is in conformance with MPEP 609; Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to applicant.

### U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 34408

SERIAL NO. **10/075,164** 

# INFORMATION DISCLOSURE CITATION BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)

APPLICANT: Shinya Adachi et al.

Biolis Bills II Walessin

FILING DATE: February 14, 2002

GROUP ART UNIT: 2112

Page 7 of 8

	0	OTTETER REPERSONCES (Including Anthor, Title, Date, Pentinent Pages, Ste.)
	Α	Abstract of U.S. Patent No. 5,974,356: Date issued: 10/1999
	В	Abstract of U.S. Patent No. 5,977,885: Date issued: 11/1999
	С	Abstract of U.S. Patent No. 5,990,809: Date issued: 11/1999
	D	Abstract of U.S. Patent No. 5,995,023: Date issued: 11/1999
	Е	Abstract of U.S. Patent No. 5,996,409: Date issued: 12/1999
	F	Abstract of U.S. Patent No. 6,006,161: Date issued: 12/1999
	G	Abstract of U.S. Patent No. 6,012,012: Date issued: 01/2000
	Н	Abstract of U.S. Patent No. 6,031,600: Date issued: 02/2000
	I	Abstract of U.S. Patent No. 6,064,319: Date issued: 05/2000
·	J	Abstract of U.S. Patent No. 6,097,313: Date issued: 08/2000
	K	Abstract of U.S. Patent No. 6,104,480: Date issued: 08/2000
, <u>-</u>	L	Abstract of U.S. Patent No. 6,107,940: Date issued: 08/2000
	M	Abstract of U.S. Patent No. 6,107,941: Date issued: 08/2000
	N	Abstract of U.S. Patent No. 6,111,521: Date issued: 08/2000
	0	Abstract of U.S. Patent No. 6,111,523: Date issued: 08/2000
	P	Abstract of U.S. Patent No. 6,114,973: Date issued: 09/2000
	Q	Abstract of U.S. Patent No. 6,137,564: Date issued: 10/2000
	R	Abstract of U.S. Patent No. 6,150,961: Date issued: 11/2000
	S	Abstract of U.S. Patent No. 6,163,752: Date issued: 12/2000
	Т	Abstract of U.S. Patent No. 6,169,955: Date issued: 01/2001
	U	Abstract of U.S. Patent No. 6,169,956: Date issued: 01/2001
	v	Abstract of U.S. Patent No. 6,178,378: Date issued: 01/2001
	w	Abstract of U.S. Patent No. 6,192,314: Date issued: 02/2001
	х	Abstract of U.S. Patent No. 6,208,268: Date issued: 03/2001
Examiner:		Date Considered

\*Examiner: Initial if reference considered, regardless of whether citation is in conformance with MPEP 609; Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to applicant.

# U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

# ATTY. DOCKET NO. **34408**

SERIAL NO. **10/075,164** 

INFORMATION DISCLOSURE CITATION
BY APPLICANT
(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT:

Shinya Adachi et al.

Page 8 of 8

FILING DATE: GROUP ART UNIT: February 14, 2002 2112

METER	0	inii ir Ringani Pages, (Including Author, Title, Date, Partinant Pages, Die.)
	Α	Abstract of U.S. Patent No. 6,212,473: Date issued: 04/2001
	В	Abstract of U.S. Patent No. 6,223,125: Date issued: 04/2001
	С	Abstract of U.S. Patent No. 6,230,099: Date issued: 05/2001
	D	Abstract of U.S. Patent No. 6,232,917: Date issued: 05/2001
	Е	Abstract of U.S. Patent No. 6,236,336: Date issued: 05/2001
	F	Abstract of U.S. Patent No. 6,230,099: Date issued: 05/2001  Abstract of U.S. Patent No. 6,232,917: Date issued: 05/2001  Abstract of U.S. Patent No. 6,236,336: Date issued: 05/2001  Abstract of U.S. Patent No. 6,236,336: Date issued: 05/2001
	G	Abstract of U.S. Patent No. 6,240,368: Date issued: 05/2001
	Н	Abstract of U.S. Patent No. 6,244,111: Date issued: 06/2001
	I	Abstract of U.S. Patent No. 6,249,754: Date issued: 06/2001
	J	Abstract of U.S. Patent No. 6,266,609: Date issued: 07/2001
	K	Abstract of U.S. Patent No. 6,281,807: Date issued: 08/2001
	L	Abstract of U.S. Patent No. 6,281,808: Date issued: 08/2001
	М	Abstract of U.S. Patent No. 6,292,747: Date issued: 09/2001
	N	Abstract of U.S. Patent No. 6,293,024: Date issued: 09/2001
	0	Abstract of U.S. Patent No. 6,298,303: Date issued: 10/2001
	P	Abstract of U.S. Patent No. 6,321,158: Date issued: 11/2001
	Q	Abstract of U.S. Patent No. 6,321,162: Date issued: 11/2001
	R	Abstract of U.S. Patent No. 6,324,467: Date issued: 11/2001
	s	Abstract of U.S. Patent No. 6,324,468: Date issued: 11/2001
<del></del>	Т	Abstract of U.S. Patent No. 6,324,888: Date issued: 12/2001
	U	Abstract of U.S. Patent No. 6,326,887: Date issued: 12/2001
	V	Abstract of U.S. Patent No. 6,327,532: Date issued: 12/2001
·	w	Abstract of U.S. Patent No. 6,333,703: Date issued: 12/2001
	х	Abstract of U.S. Patent No. 6,334,089: Date issued: 12/2001
Examiner:		Date Considered

\*Examiner: Initial if reference considered, regardless of whether citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.